Real life implementation:

The proposed solution can be used by the users in building their home gardens. The information about the plants is collected from various sources and best tips will be compiled into the dataset. This dataset will support the user in building their gardens by providing them information on following:

1. Soil mixture ratio at germination and transplantation time.
2. Steps to be followed during germination.
3. Water required by the plants during different times.
4. Compost adding frequency.
5. Uses of the plants user will be growing.
6. Timeline of the plant, which will contain information on transplantation time, flower blooming time, harvesting time, etc. for various plants.
7. Special care tips for the various plants.

Each information will come with the set of instructions which the user need to follow in order to grow the plants in their beautiful home gardens, covering beauty, organic vegetables or fruits and medicinal purposes.

In the future development of the project we can also prepare an algorithm to provide user a notifications along the growth timeline of the plant. Providing them the instructions that it is about the time for the transplantation, compost addition, harvest time or any other certain change in the plant care of various plants.

The user can also record the progress and development of its garden.